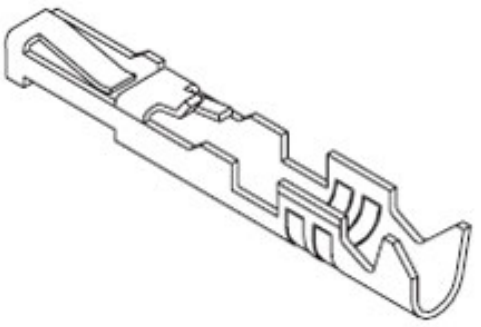
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0901190109
Status: Active
Overview: cgrid_iii
Description: C-Grid III™ Crimp Terminal, 22-24 AWG, Reel, Tin (Sn)



Series image - Reference only

Documents:
3D Model
Drawing (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	Crimp Terminals
Series	90119
Comments	Left-hand feed
Crimp Quality Equipment	Yes
Overview	cgrid_iii
Product Name	C-Grid III™

Physical

Gender	Female
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Packaging Type	Reel
Plating min: Mating (µin)	40
Plating min: Mating (µm)	1.00
Plating min: Termination (µin)	40
Plating min: Termination (µm)	1.00
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	1.02-1.47mm (.040-.058")
Wire Size AWG	22, 24
Wire Size mm²	N/A

Material Info

Reference - Drawing Numbers

Sales Drawing	SD-90119

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Halogen-Free

China RoHS

Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series
90119Series

Use With
C-Grid III™ Modular Crimp Housing 90156 , 90123 , 90142 , 90143 , 90160

Application Tooling | **FAQ**

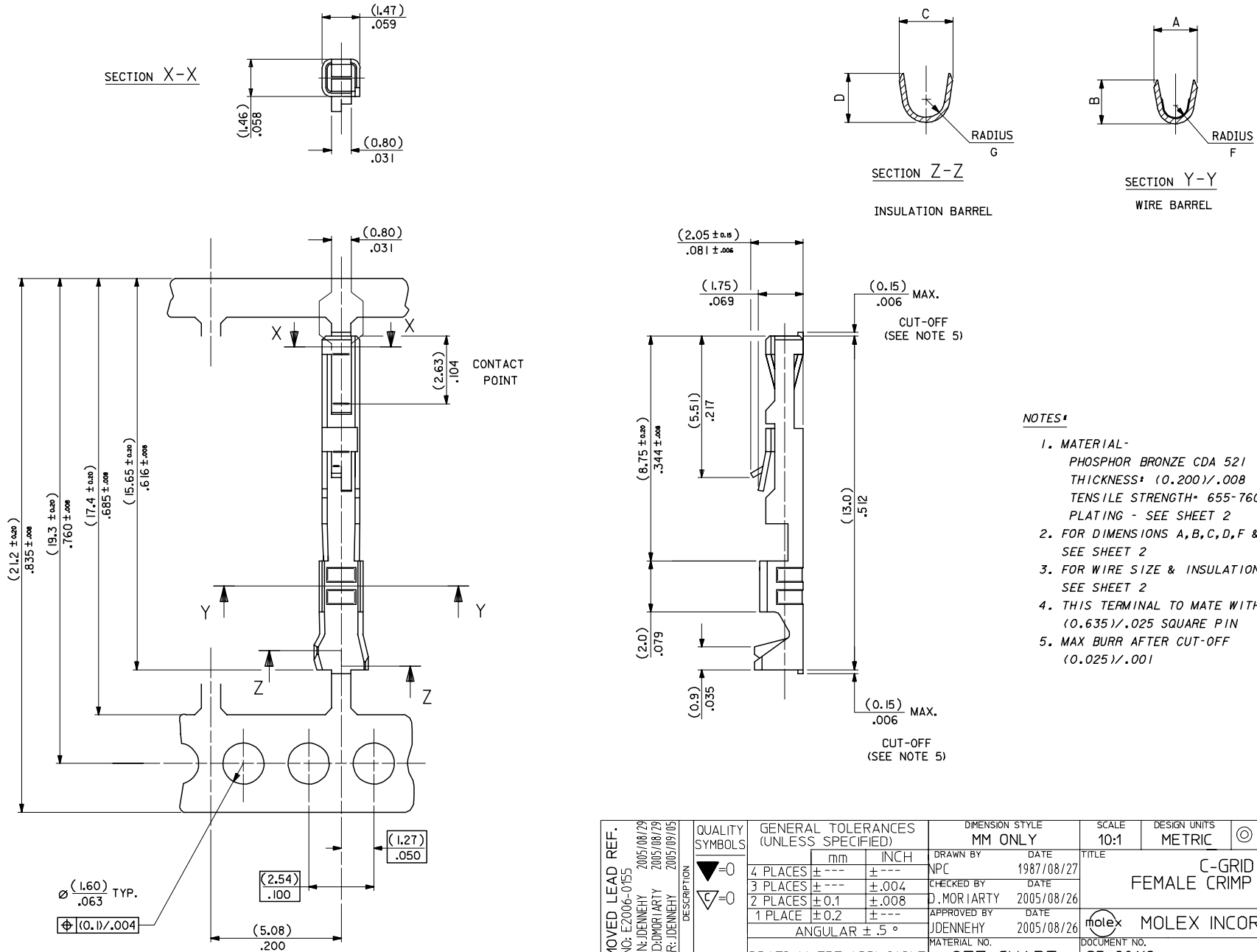
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

Description	Product #
C-Grid Insertion Tool	0690080140
Extraction Aid	0690080003
Hand Crimp Tool	0638190200
T2 Terminator Die	0638514100
FineAdjust™ Applicator	0638614100

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NOTES:

1. *MATERIAL-*
   PHOSPHOR BRONZE CDA 521
   THICKNESS: (0.200)/.008
   TENSILE STRENGTH= 655-760 N/mm²
   PLATING - SEE SHEET 2
2. *FOR DIMENSIONS A,B,C,D,F & G SEE SHEET 2*
3. *FOR WIRE SIZE & INSULATION DIA SEE SHEET 2*
4. *THIS TERMINAL TO MATE WITH (0.635)/.025 SQUARE PIN*
5. *MAX BURR AFTER CUT-OFF (0.025)/.001*

REMOVED LEAD REF.
EC NO: E2006-0155
DRWN: JDENNEHY 2005/08/29
CH'KD: DMORIARTY 2005/08/29
APPR: JDENNEHY 2005/09/05
DESCRIPTION
REV
K

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .004
2 PLACES	± 0.1	± .008
1 PLACE	± 0.2	± ---

ANGULAR ± .5 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 10:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: NPC DATE: 1987/08/27
CHECKED BY: D.MORIARTY DATE: 2005/08/26
APPROVED BY: JDENNEHY DATE: 2005/08/26

TITLE: C-GRID III FEMALE CRIMP TERMINAL

MOLEX INCORPORATED

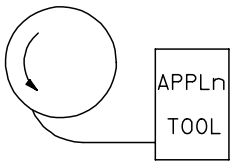
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-90119
SHEET NO.: 1 OF 2

SIZE: A2

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PART No	PLATING	REELING	WIRE SIZE (AWG)	INSULATION RANGE	CRIMP DIMENSIONS: WIRE BARREL A ±(0.15)/.006	WIRE BARREL B ±(0.15)/.006	WIRE BARREL F ±(0.15)/.006	INSULATION BARREL C ±(0.15)/.006	INSULATION BARREL D ±(0.15)/.006	INSULATION BARREL G ±(0.15)/.006
90119-0109	A	L.H FEED	22,24	(1.02-1.47) .040-.058	(1.70) .067	(1.70) .067	(0.51) 0.20	(2.10) .083	(1.90) .075	(0.70) 0.27
-0110	E									
-0111	F									
-0120	A		26,28	(0.76-1.22) .030-.048	(1.37) .054	(1.37) .054	(0.28) 0.11	(2.00) .079	(1.70) .067	(0.60) 0.24
-0121	E									
-0122	F									
-2109	A	LOOSE PIECE PARTS	22,24	(1.02-1.47) .040-.058	(1.70) .067	(1.70) .067	(0.51) 0.20	(2.10) .083	(1.90) .075	(0.70) 0.27
-2110	E									
-2111	F									
-2120	A		26,28	(0.76-1.22) .030-.048	(1.37) .054	(1.37) .054	(0.28) 0.11	(2.00) .079	(1.70) .067	(0.60) 0.24
-2121	E									
90119-2122	F									

TYPE	PLATING
A	PRE-PLATED HOT DIP TIN (1.0 to 2.5 um)/.00004 TO .0001
E	(1.27 TO 1.78um)/.00005 TO .00007 NICKEL OVERALL. (0.38 TO 0.64um)/.000015 TO .000025 GOLD ON CONTACT AREA. (3.0 TO 5.0 um)/.00012 TO .0002 TIN ON TERMINATION AREA.
F	(1.27 TO 1.78um)/.00005 TO .00007 NICKEL OVERALL. (0.76 TO 01.0 um)/.00003 TO .00004 GOLD ON CONTACT AREA. (3.0 TO 5.0 um)/.00012 TO .0002 TIN ON TERMINATION AREA.



L.H FEED

REMOVED LEAD REF.
EC NO: E2006-0155
DRWN: JDENNEHY 2005/08/29
CHKD: DMORIARTY 2005/08/29
APPR: JDENNEHY 2005/09/05
DESCRIPTION
K
REV

QUALITY SYMBOLS
▼=0
▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: KS DATE: 1987/09/01
CHECKED BY: DMORIARTY DATE: 2005/08/26
APPROVED BY: JDENNEHY DATE: 2005/08/26
MATERIAL NO.: SEE CHART

TITLE: C-GRID III FEMALE CRIMP TERMINAL

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DOCUMENT NO.: SD-90119
SHEET NO.: 2 OF 2
SIZE: A3

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